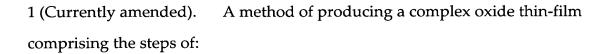
135.

SEP - C - 2003 Docket No.: M1071.1392/P1392 Application No.: 09/916,804

COMPLETE LISTING OF CLAIMS IN ASCENDING ORDER WITH STATUS INDICATOR



- providing a metal compound solution comprising at least two (a) metal compounds dissolved in a solvent;
- atomizing the metal compound solution in a two-fluid nozzle (b) having a discharge end heating a substrate in a film-forming chamber, and directly introducing the atomized solution into the to a film-forming temperature chamber in which the pressure is about 100 Torr or lower and having a substrate therein by mixing a gas with the metal compound solution in the two-fluid nozzle and discharging the atomized mixture into the chamber, and
- after heating the substrate, introducing said solution in atomized (c) form into the film-forming chamber so as to form forming a complex oxide thinfilm on [[a]] the substrate in the film-forming chamber at a temperature equal to or higher than the boiling point of the solvent.
- A method of producing a complex oxide thin-film 2 ((Currently amended). according to claim 1, wherein the solution is atomized in the a two-fluid nozzle with an oxidative gas.

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3 (Original). A method of producing a complex oxide thin-film according to claim 2, wherein the solvent has a boiling point of at least 100° C under ordinary pressure.

4 (Original). A method of producing a complex oxide thin-film according to claim 3, wherein at least one of the metal compounds is a dipivaloylmethanato complex.

5 (Original). A method of producing a complex oxide thin-film according to claim 4, wherein at least one of the metal compounds is an acetylacetonato complex.

6 (Original). A method of producing a complex oxide thin-film according to claim 5, wherein the solution contains three metal compounds and at least one of the metal compounds is a metal alkoxide.

7 (Original). A method of producing a complex oxide thin-film according to claim 6, wherein the film-forming (c) is performed at least two times, and after each film-forming, the film is heat-treated under a pressure lower than that employed for the film forming.

8 (Original). A method of producing a complex oxide thin-film according to claim 7, wherein at least the film obtained after the final-forming is heat treated at an oxygen gas partial pressure higher than an oxygen gas partial pressure existent during film-forming.

9 (Original). A method of producing a complex oxide thin-film according to claim 1, wherein the solvent has a boiling point of at least about 100° C under ordinary pressure.

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10 (Original). A method of producing a complex oxide thin-film according to claim 1, wherein at least one of the metal compounds is a dipivaloylmethanato complex.

11 (Original). A method of producing a complex oxide thin-film according to claim 1, wherein at least one of the metal compounds is an acetylacetonato complex.

12 (Original). A method of producing a complex oxide thin-film according to claim 1, wherein at least one of the metal compounds is a metal alkoxide.

13 (Original). A method of producing a complex oxide thin-film according to claim 1, wherein the film-forming is performed at least two times, and after each film-forming, the film is heat-treated under a pressure lower than that employed for the film-forming.

14 (Original). A method of producing a complex oxide thinfilm according to claim 1, wherein at least the film obtained by the final film-forming is heat treated at an oxygen gas partial pressure higher than an oxygen gas partial pressure existent during film-forming.

15-18 (CANCELLED).

- 19. (New) A method of producing a complex oxide thin-film according to claim 1, wherein the film-forming chamber having a substrate therein into which the atomized solution is introduced is at a pressure at about 100 Torr or lower.
- 20. (New) A method of producing a complex oxide thin-film according to claim 2, wherein the metal compound solution is atomized in a two-fluid nozzle having a discharge end in the film-forming chamber containing the substrate, and the atomized solution is directly introducing into the film forming chamber in which the pressure is

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about 100 Torr or lower by mixing a gas with a metal compound solution in the two-fluid nozzle and discharging the atomized mixture into the chamber.

21. (New) A method of producing a complex oxide thin-film according to claim 20, in which the substrate is heated to a temperature equal to or higher than the boiling point of the solvent.